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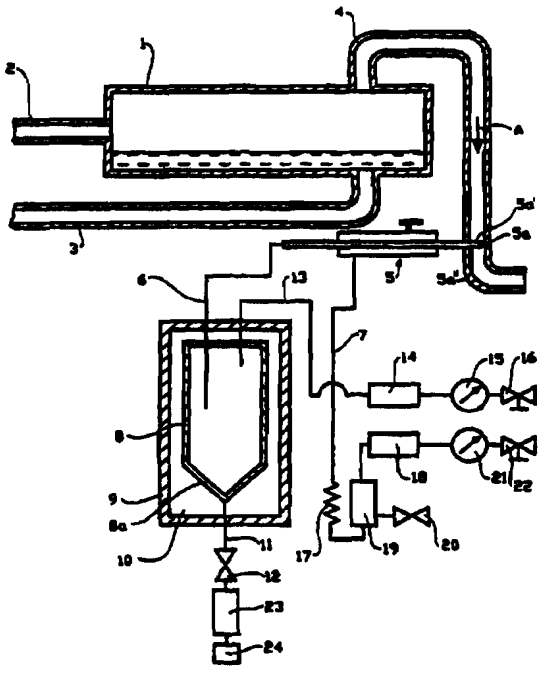
(54) Method and apparatus for isokinetic fluid sampling

(57) The invention relates to a method for the treatment and analysis of isokinetic fluid samples, for, on the basis of the analysis, to optimalize the fluid's speed of flow through a separator (1) for a multiphase fluid consisting of e.g. oil/gas/water, where the gas constituent may contain entrained liquid drops/droplets/particles; it being not desired that gas leaving the separator (1) should contain such entrained liquid. Thus, in order to provide a parameter, upon the basis of which the fluid's speed of flow through the separator can be regulated, the separated gas constituent including possibly entrained liquid drops/droplets/particles is subjected to a temperature/pressure treatment, causing said liquid drops/droplets/particles to evaporate/condense, the resultant gas/steam mixture respectively liquid phase is subjected to a density measurement for subsequent analysis. Regulating said separator's speed of flow while fluid samples are density-tested until a low density value has been achieved, one has produced an optimum speed of flow, corresponding to maximum utilization of the separator. The apparatus comprises a container (8) which is heatable/coolable, for thus to cause liquid drops/droplets/particles entrained in the gas constituent to evaporate respectively condense, the container (8) through a discharge line (13) being coupled to a density measuring device (14 respectively 23).



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